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SEQUENCE LISTING

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B1  
<110> EVERETT, NICHOLAS P.  
LI, QUNIGSHUN  
LAWRENCE, CHRISTOPHER  
DAVIES, MAELOR H.

<120> PEPTIDES WITH ENHANCED STABILITY TO PROTEASE  
DEGRADATION

<130> INTERLINK 3.0-003

<140> 09/432,546

<141> 1999-10-29

<150> 60/106,373

<151> 1998-10-30

<150> 60/106,573

<151> 1998-11-02

<160> 27

<170> PatentIn Ver. 2.1

<210> 1

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
antimicrobial peptide

<400> 1

Met Gly Ile Gly Lys Phe Leu Arg Glu Ala Gly Lys Phe Gly Lys Ala  
1 5 10 15

Phe Val Gly Glu Ile Met Lys Pro  
20

<210> 2

<211> 13

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
antimicrobial peptide

<400> 2

Ile Leu Pro Trp Lys Trp Pro Trp Trp Pro Trp Arg Arg  
1 5 10

<210> 3

<211> 13

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<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
antimicrobial peptide

<400> 3  
Ile Leu Lys Lys Trp Pro Trp Trp Pro Trp Arg Arg Lys  
1 5 10

<210> 4  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
antimicrobial peptide

<400> 4  
Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile  
1 5 10

<210> 5  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
antimicrobial peptide

<400> 5  
Ser Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile  
1 5 10

<210> 6  
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<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
antimicrobial peptide

<400> 6  
Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile Gly Gly Gly  
1 5 10 15

Tyr Asp Pro Ala Pro Pro Pro Pro Pro Pro  
20 25

<400> 10  
Arg Pro Gly Gly Gln Ile Ala Ile Ala Ile Gly Glu Ser Ile Arg Lys  
1 5 10 15

Lys Ala Ser Asn Glu Leu Lys Lys Ala Thr Lys Ser Leu Trp Ser  
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<210> 11  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
           antimicrobial peptide

<400> 11  
 Lys Ala Ile Gln Thr Ala Gln Gly Val Val Ala Val Ala Pro Gly Ala  
   1                                  5                                  10                                  15

Lys Ile Ile Gly Asp Arg Ile Asn Gln Gly Val Lys Glu Ile Lys Lys  
                   20                                  25                                  30

Phe Leu Lys Trp Lys  
                   35

<210> 12  
 <211> 27  
 <212> PRT  
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Synthetic  
           antimicrobial peptide

<400> 12  
 Asn Ala Phe His Glu Ala Leu Gly Lys Ala Leu Gly Lys Leu Ala Ser  
   1                                  5                                  10                                  15

Lys Gly Ala Ser Leu Ile Ser Ala Gly Ile Gly  
                   20                                  25

<210> 13  
 <211> 23  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
           antimicrobial peptide

<400> 13  
 Gly Ile Gly Lys Phe Leu His Ser Ala Lys Lys Phe Gly Lys Ala Phe  
   1                                  5                                  10                                  15

Val Gly Glu Ile Met Asn Ser  
                   20

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<210> 14  
 <211> 13  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
 antimicrobial peptide

<400> 14

Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile  
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<210> 15  
 <211> 39  
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<220>

<223> Description of Artificial Sequence:  
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<400> 15

aggagatggc cttggtggcc ttggaaatgg cctcttatt

39

<210> 16  
 <211> 33  
 <212> DNA  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
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<400> 16

ccagtctcta gaaccatgag gagatggcct tgg

33

<210> 17  
 <211> 53  
 <212> DNA  
 <213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

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<210> 18  
 <211> 32  
 <212> DNA  
 <213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

<400> 18

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<210> 19

<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

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<210> 20

<211> 19

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
antimicrobial peptide

<400> 20

Leu Pro Gln Pro Glu Ala Ser Ala Asp Glu Gly Val Asp Glu Arg Glu  
1 5 10 15

Leu His Ser

<210> 21

<211> 88

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 21

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gctccattct aggagatggc cttggtgg 88

<210> 22

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 22  
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29

<210> 23  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 23  
acgaagctta ccatgggatt ttttctc

27

<210> 24  
<211> 36  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 24  
agtcactgca gctaagatta ggagatggcc ttggtg

36

<210> 25  
<211> 207  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: DNA PCRIL  
construct

<400> 25  
atgggatttt ttctcttttc acaaatgccc tcattttttc ttgtctctac acttctctta 60  
ttcctaataa tatctcactc ttctcatgcc caaaactctc aacaagacta ttggatgcc 120  
cataacacag ctctgtcaga tgtaggcgtg gctgcagcta agattaggag atggccttgg 180  
tggccttga aatggcctct tatttaa 207

<210> 26  
<211> 68  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Amino acid  
PCRIL construct

<400> 26  
Met Gly Phe Phe Leu Phe Ser Gln Met Pro Ser Phe Phe Leu Val Ser  
1 5 10 15

Thr Leu Leu Leu Phe Leu Ile Ile Ser His Ser Ser His Ala Gln Asn  
                   20                  25                  30

Ser Gln Gln Asp Tyr Leu Asp Ala His Asn Thr Ala Arg Ala Asp Val  
           35                  40                  45

Gly Val Ala Ala Ala Lys Ile Arg Arg Trp Pro Trp Trp Pro Trp Lys  
       50                  55                  60

Trp Pro Leu Ile  
       65

<210> 27

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
           cleavage site

<400> 27

Ala Ala Lys Ile  
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